



## *City of Rochester, New Hampshire*

PUBLIC WORKS DEPARTMENT

[www.rochesternh.net](http://www.rochesternh.net)

209 Chestnut Hill Road • Rochester, NH 03867

(603) 332-4096

February 24, 2022

Mr. Justin Pimpare  
Regional Pretreatment Coordinator  
US EPA New England  
5 Post Office Square  
Suite 100 OEP 06-03  
Boston, MA 02109

Subject: 2021 Annual Industrial Pretreatment Report for Rochester, New Hampshire

Dear Mr. Pimpare,

On behalf of the City of Rochester, I am submitting the 2021 Annual Industrial Pretreatment Report for your review. If you have any questions or comments please contact David Green, Chief WWTP Operator, at (603) 332-8950.

Sincerely,  
City of Rochester, NH

Peter Nourse, P.E.  
Director of City Services

cc: Blaine Cox, City Manager  
Michael Bezanson, P.E., City Engineer  
Justin Pimpare, US EPA  
Alex Rastorguyeff, NHDES  
Mark Allenwood, Brown & Caldwell  
cc: File

# 2021 ANNUAL INDUSTRIAL PRETREATMENT REPORT

**City of Rochester, New Hampshire**

Report prepared on February 24, 2022  
By David Green, Chief Plant Operator

City of Rochester  
Wastewater Treatment Facility  
209 Chestnut Hill Road  
Rochester, NH 03867

**Report Period:** January 1, 2021 to December 31, 2021

**Report Due:** March 1, 2022 (per NPDES Permit Sec. C, Part 2, pg 13)

**Previous Report Covered:** January 1, 2020 to December 31, 2020

**NPDES Permit Holder:** City of Rochester, New Hampshire

**NPDES Permit Number:** NH0100668

**NPDES Discharge Number:** 001A

**Name of WWTF:** City of Rochester, New Hampshire Wastewater Treatment Facility

The person to contact concerning information contained in this report is:

Peter Nourse, P.E.  
Director of City Services  
209 Chestnut Hill Road  
Rochester, NH 03867

Tel: 603-332-4096

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my findings and the inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete.

2-25-2022

Date



\_\_\_\_\_  
Signature of Official

Director of City Services  
Title of Official

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## Master List of Significant Industrial Users (SIU) for 2021

<b>Process EPA Category</b>	<b>Industry Name &amp; Address</b>	<b>Type of Business</b>	<b>Permit Number</b>
Felted Fabric Processing	<b>American Bacon Boston Felt Company, Inc.</b> 31 Front Street East Rochester, NH 03868	Manufacturer & fabricator of felt	IDP-17-04
Metal Finishing	<b>Thompson Investment Casting</b> 41 Old Dover Rd. Rochester, NH 03867	Metal finishing point source	IDP 17-02
Non-integrated Filter & Non- woven Papers	<b>Lydall Performance Materials, Inc.</b> 134 Chestnut Hill Road Rochester, NH 03867	Specialty paper mill	IDP 19-03
Refuse System	<b>Waste Management of NH Turnkey Recycling &amp; Envi- ronmental Enterprises, Inc.</b> 14 Taylor Avenue Gonic, NH 03839	Leachate treatment facility	IDP 17-015
Medical Care Facility	<b>Frisbie Memorial Hospital</b> 11 Whitehall Road Rochester, NH 03867	Medical care facility	IDP 20-07
Plastics Molding and Forming	<b>Albany Engineered Composites</b> 85 Innovation Drive Plant 1 Rochester, NH 03867	Aircraft parts & auxiliary equipment manufacturer	IDP 18-08
Plastics Molding and Forming	<b>Albany Engineered Composites</b> 216 Airport Drive Bldg. 2 Rochester, NH 03867	Aircraft parts & auxiliary equipment manufacturer	IDP 18-05
Centralized Waste Treatment Point Source	<b>Simple Life Recycling, LLC</b> 9 Great Falls Ave, Suite 3 Rochester, NH 03867	Reconditioned metal working fluid & metal scrap	IDP 17-06

## Master List of Categorical Industrial Users (CIU) for 2021

<b>Process EPA Category</b>	<b>Industry Name &amp; Address</b>	<b>Type of Business</b>	<b>Permit Number</b>
Metal Finishing	<b>Thompson Investment Casting</b> 41 Old Dover Rd. Rochester, NH 03867	Metal finishing point source	IDP 17-02
Non-integrated Filter & Non- woven Papers	<b>Lydall Performance Materials, Inc.</b> 134 Chestnut Hill Road Rochester, NH 03867	Specialty paper mill	IDP 19-03
Plastics Molding and Forming	<b>Albany Engineered Composites</b> 85 Innovation Drive Plant 1 Rochester, NH 03867	Aircraft parts & auxiliary equipment manufacturer	IDP 18-08
Plastics Molding and Forming	<b>Albany Engineered Composites</b> 216 Airport Drive Bldg. 1 Rochester, NH 03867	Aircraft parts & auxiliary equipment manufacturer	IDP 18-05
Centralized Waste Treatment Point Source	<b>Simple Life Recycling, LLC</b> 9 Great Falls Ave, Suite 3 Rochester, NH 03867	Reconditioned metal working fluid & metal scrap	IDP 17-06

# Summary of Industrial Pretreatment Program Compliance and Enforcement Activities for 2021

## **Non-compliance Letters (NOV - notice of violation)**

Eight (8) Notices of Violation were issued during the 2021 reporting year:

Lydall Performance Materials, Inc. received **0 NOV's**

American Bacon Boston Felt received **0 NOV's**

Thompson Investment Casting received **3 NOV's**      2 for Copper & 1 for Chromium

Frisbie Memorial Hospital received **2 NOV's**      1 for FOG & 1 for Failure to submit corrective action letter

Waste Management of NH received **0 NOV's**

Albany Engineered Composites (85) **0 NOV's**

Albany Engineered Composites (216) **0 NOV's**

Simple Life Recycling **3 NOV's**      1 for TPH, 1 for TSS, 1 for BOD

## **Other Enforcement Activities:**

None

## **Industrial Users in Significant Non-compliance:**

No industry was found to be in SNC during the reporting year.

## **Discharge Agreements:**

One (1) Industrial Discharge Permit is in effect for the period of August 18, 2017 to August 18, 2022 for American Bacon Boston Felt, Inc.

One (1) Industrial Discharge Permit is in effect for the period of February 3, 2019 to February 3, 2024 for Lydall Performance Materials, Inc.

One (1) Industrial Discharge Permit is in effect for the period of August 17, 2020 to August 17, 2025 for Frisbie Memorial Hospital.

One (1) Industrial Discharge Permit is in effect for the period of September 4, 2017 to September 4, 2022 for Waste Management of NH.

One (1) Industrial Discharge Permit is in effect for the period August 17, 2017 to August 17, 2022 for Thompson Investment Casting.

## Summary of Industrial Pretreatment Program Compliance and Enforcement Activities for 2021 *continued*

One (1) Industrial Discharge Permit is in effect for the period of November 22, 2018 to November 22, 2023 for Albany Engineered Composties at 85 Innovation Drive

One (1) Industrial Discharge Permit is in effect for the period of March 9, 2018 to March 9, 2023 for Albany Engineered Composites at 216 Airport Drive.

One (1) Industrial Discharge Permit is in effect for the period of December 28, 2017 to December 28, 2022 for Simple Life Recycling, LLC.

## Industry Personnel Changes for 2021

<b>American Bacon Boston Felt Company</b>	No changes. Contact person: Tom Walker, Environmental Consultant
<b>Frisbie Memorial Hospital</b>	No changes. Contact person: Shawn George, Director of Facilities, Management & Safety
<b>Thompson Investment Casting</b>	No changes. Contact person: Michael Martin, Environmental Health & Safety
<b>Lydall Performance Materials, Inc.</b>	No changes. Contact person: Jeff Milem, Director of Operations
<b>Waste Management of NH</b>	No changes. Contact person: Ty Corneau, District Operations Manager
<b>Albany Engineered Composites</b> <i>216 Airport Drive</i> <i>85 Innovation Drive</i>	No changes. Contact person: Steve Conner, HSE Manager
<b>Simple Life Recycling, LLC</b>	No changes. Contact person: Jordan Bigsley, Office Administrator



## Status of Industrial User Compliance for 2021

Industrial User	BMR Received	Self- Monitoring Reports Received	As of last Annual Report in compliance with Local Limits and EPA Categorical Limits:			
			1st Q	2nd Q	3rd Q	4th Q
American Bacon Boston Felt Company, Inc.	Not req'd	yes	yes	yes	yes	yes
Frisbie Memorial Hospital	Not req'd	yes	yes	no	yes	yes
Thompson Investment Casting	Not req'd	yes	yes	yes	no	no
Lydall Performance Materials, Inc.	Not req'd	yes	yes	yes	yes	yes
Waste Management of NH	Not req'd	yes	yes	yes	yes	yes
Albany Engineered Composites <i>85 Innovation Drive</i>	Not req'd	yes	yes	yes	yes	yes
Albany Engineered Composites <i>216 Airport Drive</i>	Not req'd	yes	yes	yes	yes	yes
Simple Life Recycling, LLC	Not req'd	yes	(zero discharge)			no

Simple Life Q2 and Q4 (June & Dec) zero discharge certification received



## Dates of Industrial Agreements, Monitoring and Inspections for 2021

Industry	IDP Exp.Date	City Monitoring Dates	Industry Self Monitoring Dates	Inspection Dates
American Bacon Boston Felt Company, Inc.	8/18/22	1/14/21 4/15/21 7/13/21 10/13/21	2/9/21 5/18/21 7/28/21 11/11/21	11/22/21 <i>(off-site)</i>
Frisbie Memorial Hospital	11/1/22	n/a 4/14/21 n/a 10/12/21	1/19/21 n/a 7/28/21 n/a	11/17/21 <i>(off-site)</i>
Thompson Investment Casting	8/17/22	1/13/21 4/15/21 7/13/21 10/13/21	2/4/21 6/3/21 7/29/21 10/29/21	12/17/21 <i>(in person)</i>
Lydall Performance Materials, Inc.	2/3/24	1/14/21 4/15/21 7/14/21 10/6/21	2/4/21 5/14/21 7/30/21 10/28/21	12/15/21 <i>(in person)</i>
Waste Management of NH	9/4/22	1/14/21 4/15/21 7/30/21 10/13/21	2/11/21 4/6/21 7/13/21 11/2/21	11/23/21 <i>(off-site)</i>
Albany Engineered Composites 85 Innovation Drive	11/22/23	1/20/21 4/14/21 7/16/21 10/12/21	2/18/21 6/16/21 8/24/21 12/10/21	11/24/21 <i>(off-site)</i>
Albany Engineered Composites 216 Airport Drive	3/9/23	1/20/21 4/14/21 7/16/21 10/12/21	2/18/21 6/16/21 8/24/21 12/10/21	11/24/21 <i>(off-site)</i>
Simple Life Recycling, LLC	12/28/22	n/a n/a	6/16/21 12/20/21 <i>(testing results submitted w/zero discharge cert)</i>	11/12/21 <i>(off-site)</i>

# SUMMARY OF PROGRAM EFFECTIVENESS

## **Wastewater Treatment Facility Monitoring & Results**

The City of Rochester continues to monitor the influent and effluent to the wastewater treatment facility on a frequent basis. Please refer to the Pollutant Analysis Summary on page 9.

## **Non-Compliance with Local Limits**

The City issued 8 notices of non-compliance from January 1, 2021 through December 31, 2021 based on EPA and State approved Local Limits.

## **90-Day Compliance Schedules**

There were no compliance schedules.

## **Industrial Monitoring & Results**

The City of Rochester used Eastern Analytical, Inc. for both sampling and analytical services.

## **Industrial Inspections**

Industrial inspections of each industry were made to ensure compliance with the Industrial Pretreatment Program. Due to the ongoing Covid-19 pandemic paperwork was done remotely over email for all the industries. This included a comprehensive evaluation of information, data and records as relevant for compliance determination. A limited site walk-through was conducted at Lydall and Thompson Investment Casting.

## **Industrial Discharge Permits (IDP) Issuance**

There were no permits issued in 2021.

## **Sewer Use Ordinance (SUO)**

There were no changes to the Sewer Use Ordinance during the report period.

## **IPP Consultant**

The City uses Brown and Caldwell as our consultant firm to provide assistance for the Industrial Pretreatment Program.

## **Conclusion**

The City of Rochester continues to be actively involved in the Industrial Pretreatment Program. We have continued to work closely with all our regulated industries to help them achieve and maintain compliance.

## POLLUTANT ANALYSIS SUMMARY

During the 2021 reporting year Eastern Analytical, Inc. performed sampling and analysis on our influent and effluent.

Summarized on the following two pages are the highest reported results received during the four quarters of the 2021 reporting year for each parameter.

Part I: Influent & Effluent – all results reported in mg/L

Part II: Volatile Organic Compounds – all results reported in ug/L

All samples were received in acceptable condition, prepared and analyzed within holding times specified in referenced methods included on quarterly reports.

PART I - MAXIMUM RESULT IN THE 1ST THROUGH 4TH QUARTER  
OF 2021

Parameter	WWTF Influent (mg/L)	WWTF Effluent (mg/L)
pH (min/max)	6.89 / 7.26	6.72 / 7.01
Temperature (min/max)	13 C / 20 C	10 C / 20 C
Oil & Grease	29	< 5
Solids Suspended	170	< 2
Sulfate	51	65
Chloride	230	230
Nitrite-N	2.6	0.068
Nitrate-N	8.1	7.2
Nitrate/Nitrite-N	11.0	7.3
Dissolved Inorganic-N	36.0	7.34
Cyanide Total	0.028	0.0093
Ammonia-N	26.0	0.11
Total Organic Nitrogen	13.0	1.09
TKN	39.0	1.2
Total Nitrogen	47.0	8.5
Total Phosphorus-P	5.4	1.6
Ortho Phosphate-P	5.5	1.5
Sulfide	< 0.1	< 0.1
BOD	130	< 3
CBOD	140	< 3
Total Phenols	0.017	< 0.05
Chlorophyll a	14	3.1
Aluminium	0.25	<0.05
Arsenic, total	0.0014	0.002
Beryllium, total	< 0.001	< 0.001
Boron, total	1.6	1.3
Calcium, total	19	18
Cadmium, total	< 0.001	< 0.001
Chromium, total	0.0012	0.0013
Chromium (VI)	< 0.01	< 0.01
Copper, total	0.07	0.005
Iron, total	0.76	0.071
Lead, total	0.0016	< 0.001
Manganese, total	0.13	0.083
Mercury, total	< 0.0002	< 0.0002
Nickel, total	0.0037	0.0022
Selenium, total	0.0012	< 0.001
Silver, total	< 0.001	< 0.001
Sodium, total	180	180
Zinc, total	0.082	0.053

PART II - VOLATILE ORGANIC COMPOUNDS (Method 624.1)  
MAXIMUM RESULT IN THE 1ST THROUGH 4TH QUARTER OF 2021

Parameter	WWTF	WWTF
	Influent (ug/L)	Effluent (ug/L)
Chloromethane	< 2	< 2
Vinyl chloride	< 1	< 1
Bromomethane	< 2	< 2
Chloroethane	< 2	< 2
Trichlorofluoromethane	< 2	< 2
Acrolein	< 50	< 50
Acetone	<b>280</b>	< 10
1,1-Dichloroethene	< 0.5	< 0.5
Methylene chloride	< 1	< 1
Acrylonitrile	< 50	< 50
Methyl-t-butyl ether(MTBE)	< 1	< 1
trans-1,2-Dichloroethene	< 1	< 1
Vinyl acetate	< 10	< 10
1,1-Dichloroethane	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1
2-Butanone (MEK)	< 10	< 10
Chloroform	<b>3.9</b>	<b>2.5</b>
1,1,1-Trichloroethane	< 1	< 1
Carbon tetrachloride	< 1	< 1
Benzene	< 1	< 1
1,2-Dichloroethane	< 1	< 1
Trichloroethene	< 1	< 1
1,2-Dichloropropane	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5
2-Chloroethylvinylether	< 2	< 2
4-Methyl-2-pentanone (MIBK)	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5
Toluene	<b>2</b>	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1
2-Hexanone	< 10	< 10
Tetrachloroethene	< 1	< 1
Dibromochloromethane	< 1	< 1
Chlorobenzene	< 1	< 1
Ethylbenzene	< 1	< 1
mp-Xylene	< 1	< 1
o-Xylene	< 1	< 1
Styrene	< 1	< 1
Bromoform	< 2	< 2
1,1,2,2-Tetrachloroethane	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1
1,4-Dichlorobenzene	<b>1.2</b>	< 1
1,2-Dichlorobenzene	< 1	< 1



# APPENDIX A

## PRETREATMENT ANNUAL REPORT SUMMARY



# EPA Region 1 Annual Pretreatment Report Summary Sheet

## February 24, 2022

POTW Name:	City of Rochester New Hampshire WWTF
NPDES Permit	NH0100668
Pretreatment Report Period Start Date:	January 1, 2021
Pretreatment Report Period End Date:	December 31, 2021
# of Significant Industrial Users (SIUs):	8
# of SIUs Without Control Mechanisms:	0
# of SIUs not Inspected:	0
# of SIUs not Sampled:	0
# of SIUs in Significant Noncompliance (SNC) with Pretreatment Standards:	0
# of SIUs in SNC with Reporting Requirements:	0
# of SIUs in SNC with Pretreatment Compliance Schedule:	0
# of SIUs in SNC Published in Newspaper:	0
# of SIUs with Compliance Schedules:	0
# of Violation Notices Issued to SIUs:	8
# of Administrative Orders Issued to SIUs:	0
# of Civil Suits Filed Against SIUs:	0
# of Criminal Suits Filed Against SIUs:	0
# of Categorical Industrial Users (CIUs):	5
# of CIUs in SNC:	0
<u>Penalties</u>	
Total Dollar Amount of Penalties Collected	\$ 0
# of IUs from which Penalties have been collected:	0

Local Limits

Date of Most Recent Technical  
Evaluation of Local Limits:

1999 & 2003

Date of Most Recent Adoption of  
Technically Based Local Limits:

Modifications 2007

Pollutant	Limit (mg/l)	MAHL (lb/day)
Arsenic	1.1	
Cadmium	0.1	
BOD	400	
Chromium (total)	1.0	
Cyanide	1.4	
Mercury	0.002	
Nickel	0.6	
TSS	600	
Copper	0.55	
Lead	0.14	
Phosphorous	15.7	
Silver	0.1	
Zinc	3.76	
FOG	100	
pH	5.5 to 9.0	
TKN		1,200
Arsenic		3.0

# APPENDIX B

## INDUSTRY SPECIFIC DISCHARGE LIMITS

Albany Engineered Composites - 85 Innovation Drive  
Categorical Industrial User IDP #18-08

2 Sampling points: 85 Innovation Dr. Effluent WJ and 85 Innovation Dr. Effluent OWS

POLLUTANT	EFFLUENT LIMIT	EFFLUENT LIMIT TYPE	SAMPLE TYPE
			GRAB
Arsenic	0.1 lbs/day	Local / Daily Max	G
Nitrogen (as TKN)	10 lbs/day	Local / Daily Max	G
BOD	400 mg/L	Local / Daily Max	G
Cadmium ( T )	0.1 mg/L	Local / Daily Max	G
Chromium ( T )	1.0 mg/L	Local / Daily Max	G
Copper ( T )	0.55 mg/L	Local / Daily Max	G
Cyanide ( T )	1.4 mg/L	Local / Daily Max	G
Lead ( T )	0.14 mg/L	Local / Daily Max	G
Mercury ( T )	0.002 mg/L	Local / Daily Max	G
Nickel ( T )	0.6 mg/L	Local /Daily Max	G
Phosphorus ( T as P )	15.7 mg/L	Local /Daily Max	G
Silver ( T )	0.1 mg/L	Local / Daily Max	G
TSS	600 mg/L	Local / Daily Max	G
Zinc ( T )	3.76 mg/L	Local / Daily Max	G
pH	5.5/9.0 su	Local / Daily Min/Max	G
Temperature	Not to exceed 104F (40C) @ WWTF	Local / Daily Max	G
Fat, Oil & Grease (FOG)	100 mg/L	Local / Daily Max	G
Nitrate plus nitrite-N	Monitor & Report	Local	G

Local limits found in Rochester's Sewer Use Ordinance.

Flow limitations: During the period of November 22, 2018 to November 22, 2023 the permittee is authorized to discharge process wastewater to the City of Rochester's sewer system from the permitted outfall.

The average daily process wastewater flow discharge limit from the water jet units and oil water separators shall not exceed 3,000 gallons per day.

*Grab samples shall be collected from each individual unit and shall be equally combined with the others. The resulting mixture shall form a representative sample and shall be analyzed to determine compliance with permit limits.*

Sampling Frequency: QUARTERLY

Sample Type: Grab ( G )

Sample Location: from each water jet unit(s) and oil water separator(s).

lbs/day local limits are shared Maximum Allowable Industrial Loadings (MAIL)

**Albany Engineered Composites - 216 Airport Drive**  
**Categorical Industrial User IDP #18-05**

2 Sampling Points Combined: 216 Airport Dr. Effluent 1,000 gal EQ Tank and 216 Airport Dr. Effluent OWS

POLLUTANT	EFFLUENT LIMIT	EFFLUENT LIMIT TYPE	SAMPLE TYPE
			GRAB
Arsenic	0.1 lbs/day	Local / Daily Max	G
Nitrogen (as TKN)	10 lbs/day	Local / Daily Max	G
BOD	400 mg/L	Local / Daily Max	G
Cadmium ( T )	0.1 mg/L	Local / Daily Max	G
Chromium ( T )	1.0 mg/L	Local / Daily Max	G
Copper ( T )	0.55 mg/L	Local / Daily Max	G
Cyanide ( T )	1.4 mg/L	Local / Daily Max	G
Lead ( T )	0.14 mg/L	Local / Daily Max	G
Mercury ( T )	0.002 mg/L	Local / Daily Max	G
Nickel ( T )	0.6 mg/L	Local /Daily Max	G
Phosphorus ( T as P )	15.7 mg/L	Local /Daily Max	G
Silver ( T )	0.1 mg/L	Local / Daily Max	G
TSS	600 mg/L	Local / Daily Max	G
Zinc ( T )	3.76 mg/L	Local / Daily Max	G
pH	5.5/9.0 su	Local / Daily Min/Max	G
Temperature	Not to exceed 104F (40C) @ WWTF	Local / Daily Max	G
Fat, Oil & Grease (FOG)	100 mg/L	Local / Daily Max	G
Nitrate plus nitrite-N	Monitor & Report	Local	G

Local limits found in Rochester's Sewer Use Ordinance.

Flow limitations: During the period of March 9, 2018 to March 9, 2023 the permittee is authorized to discharge process wastewater to the City of Rochester's sewer system from the permitted outfall.

The average daily process wastewater flow and oil water separators shall not exceed 1,500 gallons per day  
Refer to permit VII. Effluent Limitations (d) for permitted process units that discharge to EQ tank.

Grab samples shall be collected from the 1,000 gal EQ tank and the OWS. An aliquot sample based upon proportional volumes of each location (% of total volume) shall be combined to form a representative sample & shall be analyzed to determine compliance with permit limits. Refer to permit VII Effluent Limitations (e).

Sampling Frequency: QUARTERLY

Sample Type: Grab ( G )

Sample Location: Effluent of 1000 gallon EQ tank and Effluent of Oil/Water Separator.

lbs/day local limits are shared Maximum Allowable Industrial Loadings (MAIL)



Bacon Felt Company  
Industrial User  
IDP #17-04

POLLUTANT	CONCENTRATION	LOCAL LIMIT	SAMPLE TYPE
Cadmium (T)	0.1 mg/L	Daily Max	Grab
Copper (T)	0.55 mg/L	Daily Max	Grab
Lead	0.14 mg/L	Daily Max	Grab
Silver (T)	0.1 mg/L	Daily Max	Grab
Zinc (T)	3.76 mg/L	Daily Max	Grab
pH	5.5/9.0 su	Daily Min/Max	Grab
Temperature	Not to exceed 104F (40C) @ WWTF	Daily Max	Grab
Fat, Oil & Grease (FOG)	100 mg/L	Daily Max	Grab

Local limits found in Rochester's Sewer Use Ordinance & Industrial Pretreatment Program

Sampling Frequency: QUARTERLY

Sample Type: GRAB



**Frisbie Hospital**  
**Significant Industrial User**  
**IDP # 20-07**

<b>POLLUTANT</b>	<b>CONCENTRATION</b>	<b>LOCAL LIMIT</b>	<b>SAMPLE TYPE</b>
pH	5.5 / 9.0 su	Daily Min/Max	Grab
Temperature	Not to exceed 104F (40C) @ WWTF	Daily Max	Grab
Fat, Oil & Grease (FOG)	100 mg/L	Daily Max	Grab

Local limits found in Rochester's Sewer Use Ordinance & Industrial Pretreatment Program

Sampling Frequency: QUARTERLY (Self 1st & 3rd Quarter - Municipal 2nd & 4th Quarter)

Sample Type: GRAB

Permit effective: August 17, 2020 through August 17, 2025

Lydall Performance Materials, Inc.  
Categorical Industrial User IDP #19-03

POLLUTANT	EFFLUENT LIMIT	EFFLUENT LIMIT TYPE	SAMPLE TYPE
			GRAB or COMPOSITE
BOD5	16.3 lbs/1000 lbs of product	Categorical/Monthly Ave	C
TSS	13.0 lbs/1000 lbs of product	Categorical/Monthly Ave	C
pH	5.0/9.0 su	Categorical/Daily Min/Max	G
Pentachlorophenol	0.0080 lbs/1000 lbs of product	Categorical/Daily Max	C
Trichlorophenol	0.0025 lbs/1000 lbs of product	Categorical/Daily Max	C
Nitrogen (as TKN)	84 lbs/day	Local / Daily Max	C
Cadmium ( T )	0.1 mg/L	Local / Daily Max	C
Copper ( T )	0.55 mg/L	Local / Daily Max	C
Silver (T)	0.1 mg/L	Local / Daily Max	C
Lead ( T )	0.14 mg/L	Local / Daily Max	C
Zinc (T)	3.76 mg/L	Local / Daily Max	C
Phosphorus ( T as P )	15.7 mg/L	Local /Daily Max	C
BOD5	400 mg/L	Local / Daily Max	C
TSS	600 mg/L	Local / Daily Max	C
Temperature	Not to exceed 104F (40C) @ WWTF	Local / Daily Max	G
Fat, Oil & Grease (FOG)	100 mg/L	Local / Daily Max	G
Turbidity	50 NTU	N/A	G
Volatile Organics	Monotor & Report	N/A	G
Semi-Volitle Organics	Monotor & Report	N/A	C

Local limits found in Rochester's Sewer Use Ordinance.

Categorical Limits found in Code of Federal Reulations (40CFR) Pulp, Paper and Paperboard.  
Point Source Category Part 430.121 and 430.126 Subpart L.

Flow limitations: During the period of February 3, 2019 to February 3, 2024 the permittee is authorized to discharge treated process wastewater to the City of Rochester's sewer system from the permitted outfall.

Description of Total Maximum Daily Flow Limit: 615,000 gallons/day.

Sampling Frequency: QUARTERLY

Sample Type: 24 hr Composite (C) or Grab ( G ) - based on pollutant

Sample Location: Final Effluent - discharge pipe between effluent pumps and force main.

lbs/day local limits are shared Maximum Allowable Industrial Loadings (MAIL)

Thompson Investment Casting  
Categorical Industrial User  
IDP # 17-02

POLLUTANT	LIMIT	TYPE	GRAB OR COMPOSITE
Cadmium (T)	0.1 mg/L	Both/Categorical Monthly Ave	C
Chromium (T)	1.0 mg/L	Categorical Monthly Ave	C
Copper (T)	0.55 mg/L	Both/Local Limit Daily Max	C
Lead (T)	0.14 mg/L	Both/Local Limit Daily Max	C
Nickel (T)	0.6 mg/L	Categorical Monthly Ave	C
Silver (T)	0.1 mg/L	Both/Local Limit Daily Max	C
Zinc (T)	1.48 mg/L	Both/Categorical Monthly Ave	C
Cyanide (T)	0.65 mg/L	Categorical Monthly Ave	G
TTO (VOC's)	2.13 mg/L	Categorical Daily Max	G
Nitrogen (as TKN)	5.1 lbs/day	Local/Daily Max	C
Phosphorous (T as P)	15.7 mg/L	Local/Daily Max	C
pH	5.5/9.0 su	Local/Daily Min/Max	G
Temperature	Not to exceed 104F (40C) @ WWTF	Local/Daily Max	G
Fat, Oil & Grease (FOG)	100 mg/L	Local/Daily Max	G

Local limits found in Rochester's Sewer Use Ordinance & Industrial Pretreatment Program

Categorical Limits found in Code of Federal Regulations (40CFR) Metal Finishing Point Source Category Part 433.15 Subpart A.

Flow limitations: During the period of August 17, 2017 to August 17, 2022 the permittee is authorized to discharge process wastewater to the City of Rochester's sewer system from the permitted outfalls.

Description of Maximum Daily flow limit: not to exceed 4,680 gallons per day.

Description of Monthly Average Daily flow limit: not to exceed 1,713 gallons per day.

lbs/day Local Limits are shared Maximum Industrial Loadings (MAIL)

Sampling Frequency: QUARTERLY

Sample Type: 24 hr COMPOSITE & GRAB - based on pollutant

Sample Location: Effluent tank of pretreatment process prior to entering City sewer system

Turnkey Recycling and Environmental Enterprises  
Significant Industrial User IDP #17-015

POLLUTANT	EFFLUENT LIMIT	EFFLUENT LIMIT TYPE	SAMPLE TYPE GRAB OR COMPOSITE
Arsenic	1.65 lbs/day	Local / Daily Max	C
Nitrogen (as TKN)	150 lbs/day	Local / Daily Max	C
BOD	400 mg/L	Local / Daily Max	C
Cadmium ( T )	0.1 mg/L	Local / Daily Max	C
Chromium ( T )	1.0 mg/L	Local / Daily Max	C
Copper ( T )	0.55 mg/L	Local / Daily Max	C
Cyanide ( T )	1.4 mg/L	Local / Daily Max	G
Lead ( T )	0.14 mg/L	Local / Daily Max	C
Mercury ( T )	0.002 mg/L	Local / Daily Max	C
Nickel ( T )	0.6 mg/L	Local / Daily Max	C
Phosphorus ( T as P )	15.7 mg/L	Local / Daily Max	C
Silver ( T )	0.1 mg/L	Local / Daily Max	C
TSS	600 mg/L	Local / Daily Max	C
Zinc ( T )	3.76 mg/L	Local / Daily Max	C
pH	5.5/9.0 su	Local / Daily Min/Max	G
Temperature	Not to exceed 104F (40C) @ WWTF	Local / Daily Max	G
Fat, Oil & Grease (FOG)	100 mg/L	Local / Daily Max	G
Nitrate plus nitrite-N	Monitor & Report	Local	C
UV Transmission	65%	Local / Daily Min	G

Local limits found in Rochester's Sewer Use Ordinance.

Flow limitations: During the period of September 4, 2017 to September 4, 2022 the permittee is authorized to discharge process wastewater to the City of Rochester's sewer system from the permitted outfall.

Description of flow limit: Maximum daily flow not to exceed 160,000 gallons per day or max of 180 gallons per minute at any time.

Sampling Frequency: QUARTERLY

Sample Type: 24 hr ( C ) or ( G ) - based on pollutant

Sample Location: Final Effluent

lbs/day local limits are shared Maximum Allowable Industrial Loadings (MAIL)

UV Transmission - not less than 65% at any time.



**Simple Life Recycling, LLC - 9 Great Falls Avenue**

**Categorical Industrial User IDP #17-06**

2 Sampling points: Combined Process Effluent to City (End of Pipe) & Effluent OWS (End of Process - Oils Only)

POLLUTANT	EFFLUENT LIMIT	EFFLUENT LIMIT TYPE	SAMPLE TYPE
			GRAB
Arsenic	1.1 mg/L	Local / Daily Max	G
Nitrogen (as TKN)	61 mg/L	Local / Daily Max	G
BOD	400 mg/L	Local / Daily Max	G
Cadmium ( T )	0.1 mg/L	Local / Daily Max	G
Chromium ( T )	1.0 mg/L	Local / Daily Max	G
Copper ( T )	0.55 mg/L	Local / Daily Max	G
Cyanide ( T )	1.4 mg/L	Local / Daily Max	G
Lead ( T )	0.14 mg/L	Local / Daily Max	G
Mercury ( T )	0.002 mg/L	Local / Daily Max	G
Nickel ( T )	0.6 mg/L	Local /Daily Max	G
Phosphorus ( T as P )	15.7 mg/L	Local /Daily Max	G
Silver ( T )	0.1 mg/L	Local / Daily Max	G
TSS	600 mg/L	Local / Daily Max	G
Zinc ( T )	3.76 mg/L	Local / Daily Max	G
pH	5.5/9.0 su	Local / Daily Min/Max	G
Temperature	Not to exceed 104F (40C) @ WWTF	Local / Daily Max	G
Petroleum Based Oils	25 mg/L	Local / Daily Max	G
Nitrate plus nitrite-N	Monitor & Report	Local	G

Local limits found in Rochester's Sewer Use Ordinance.

Flow limitations: During the period of December 28, 2017 to December 28, 2022 the permittee is authorized to discharge process wastewater to the City of Rochester's sewer system from the permitted outfall.

The average daily process wastewater flow discharge limit from the oil water separators shall not exceed 2,500 gallons per day.

***Representative process samples shall be collected from a central location end of pipe - full pollutant list shall be analysed. Oil/Water separator sample shall be collected from end of process - only Petroleum Based Oils shall be analysed.***

Sampling Frequency: QUARTERLY

Sample Type: Grab ( G )

Sample Location: complete process end of pipe prior to City discharge and oil water separator(s) end of process